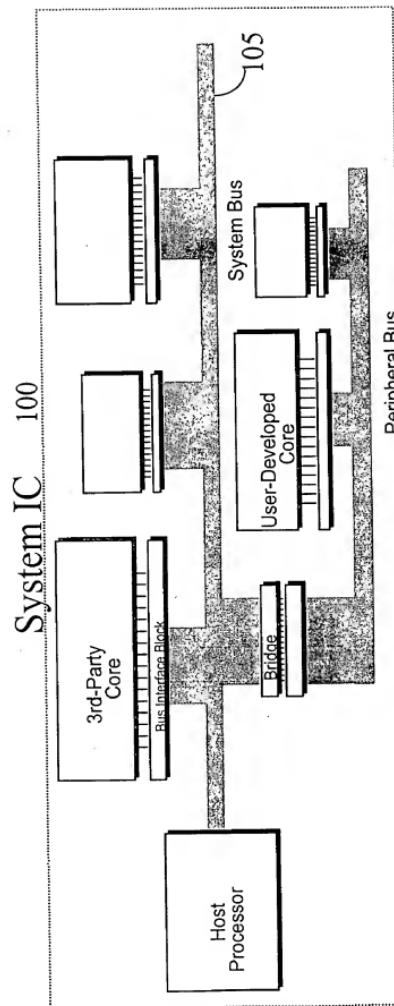
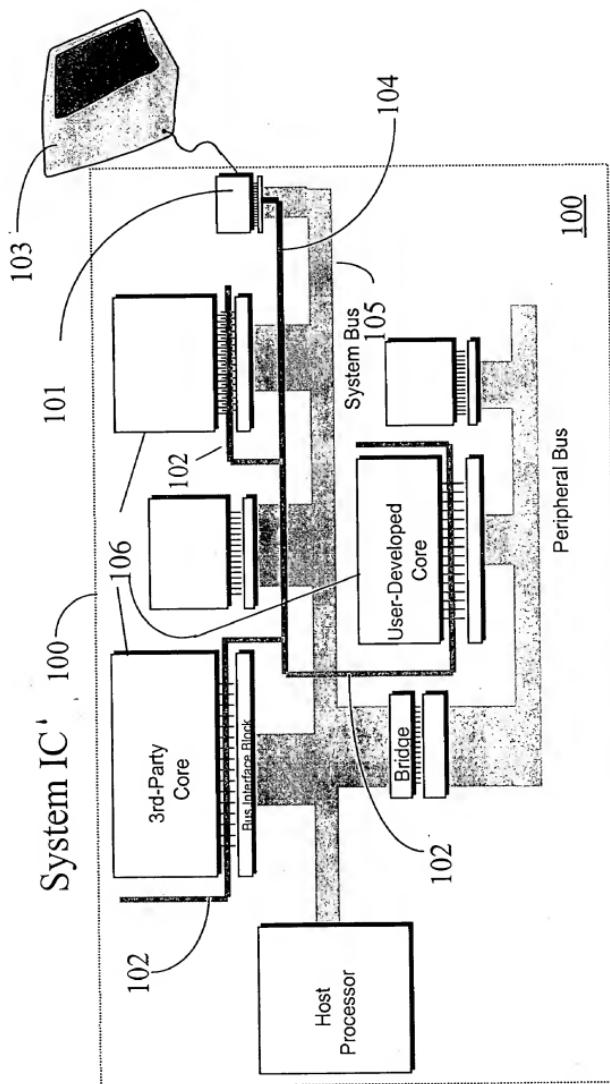


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*Figure 1a (prior art)*



*Figure 1b*

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SEARCHED " 92454260

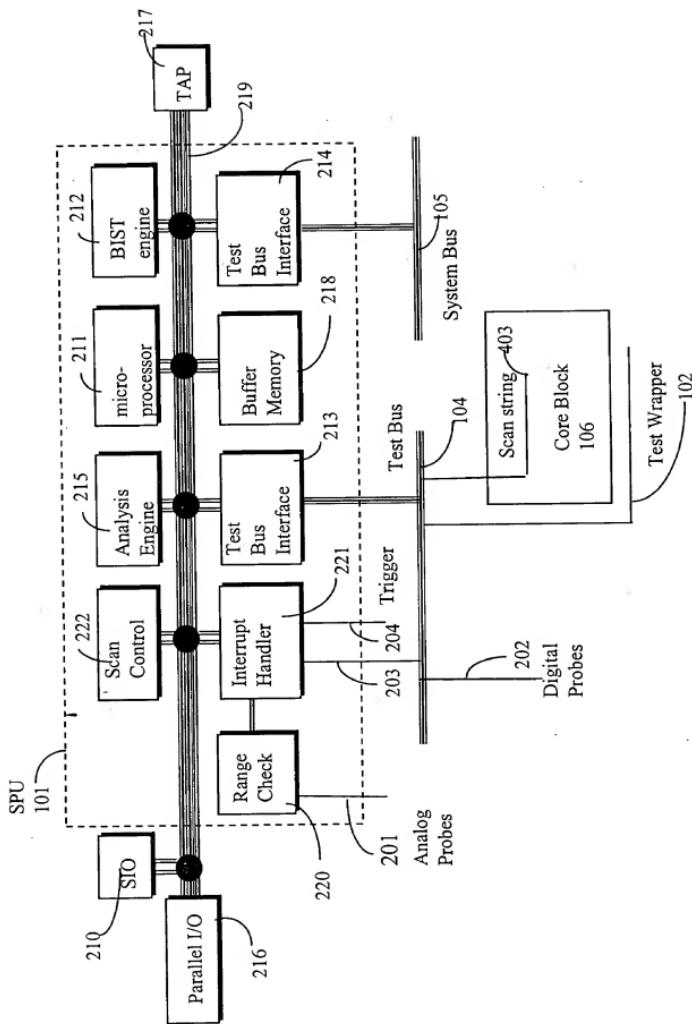


Figure 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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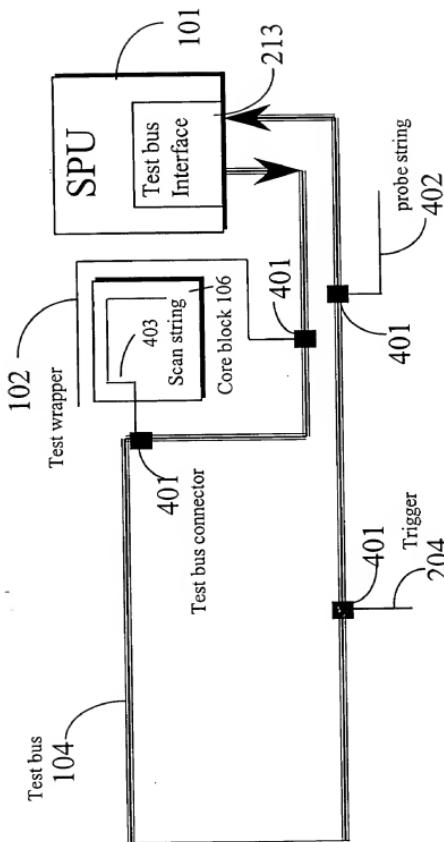
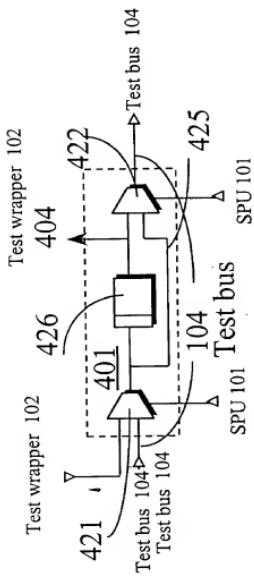


Figure 3a

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

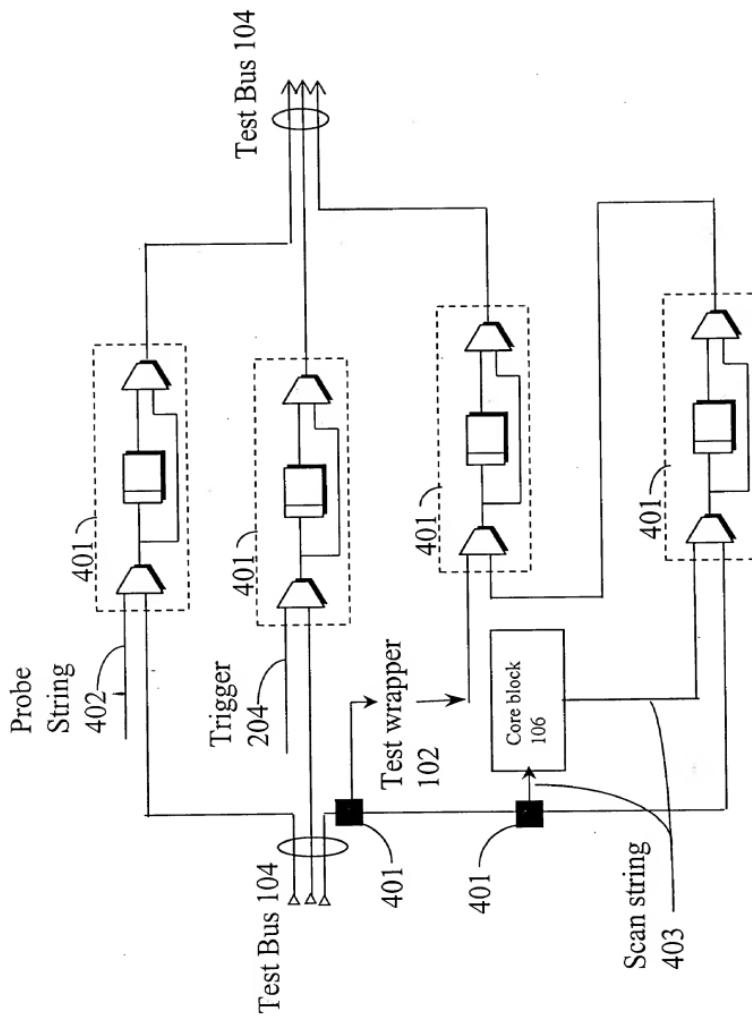
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*Figure 3b*

## Preferred Embodiment of Test Bus Connector

APPROVED	O.G. FIG. 3C
BY	
DRAFTSMAN	714 726



**Figure 3c**  
Connecting Probe String, Test Wrapper or Scan String to Test Bus

APPROVED	O.G. FIG.	
BY		
DRAFTSMAN		

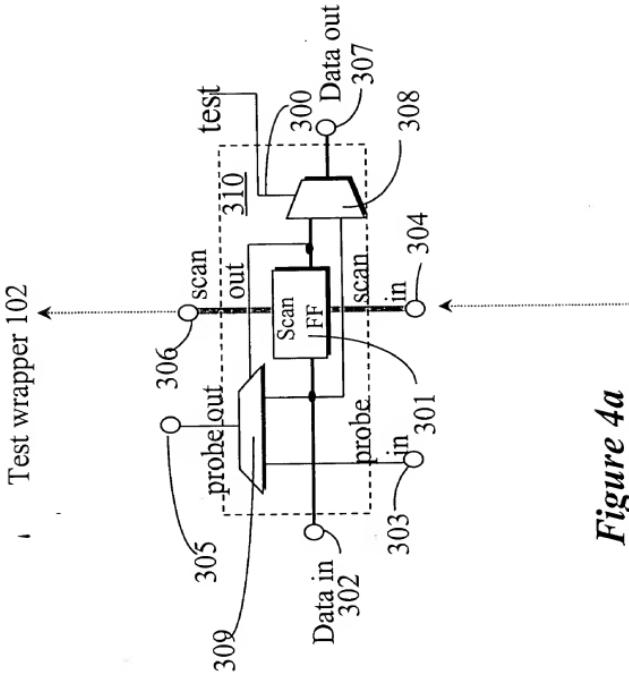
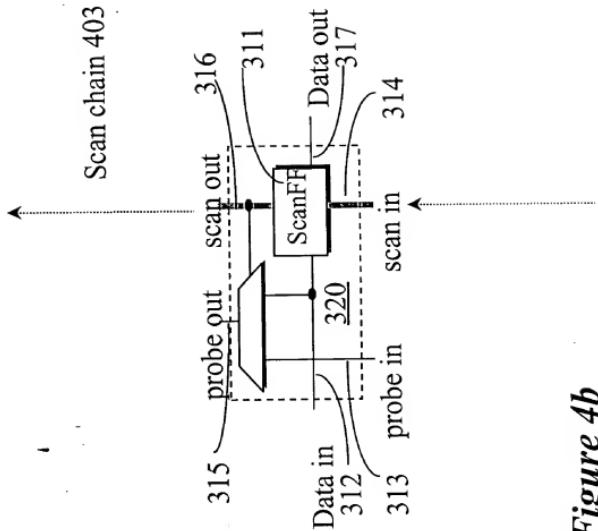


Figure 4a

Preferred Embodiment of Block Input/Output Port Connector

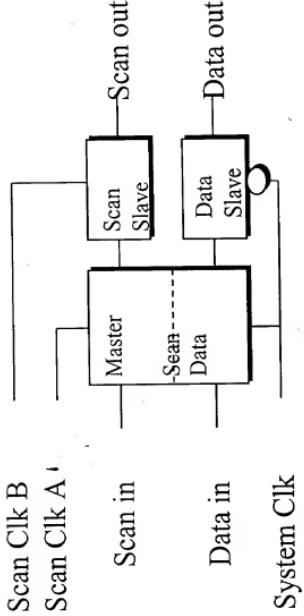
APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



*Figure 4b*

Preferred Embodiment of Block Scan Connector

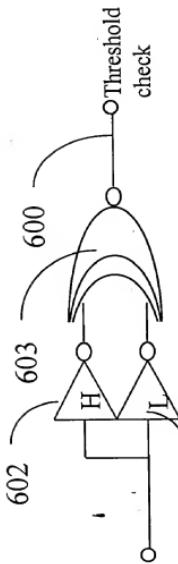
APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLNS



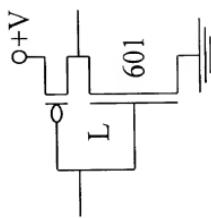
*Figure 5*

Internal Scan Element with Separate Scan-Slave and Data-Slave:  
(prior art)

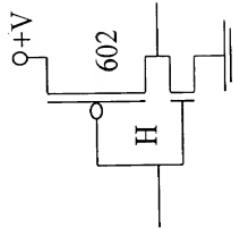
APPROVED	O.G. FIG.
BY	CLASS      SUBCLASS
DRAFTSMAN	



*Figure 6a*



*Figure 6b*



*Figure 6c*

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

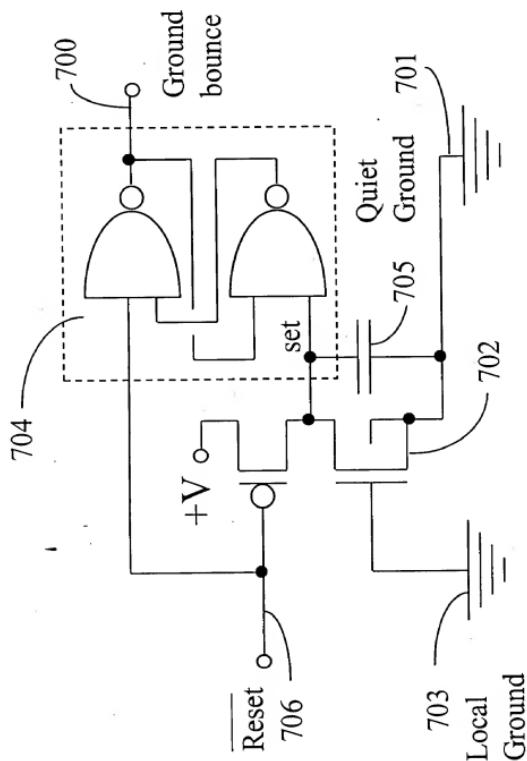
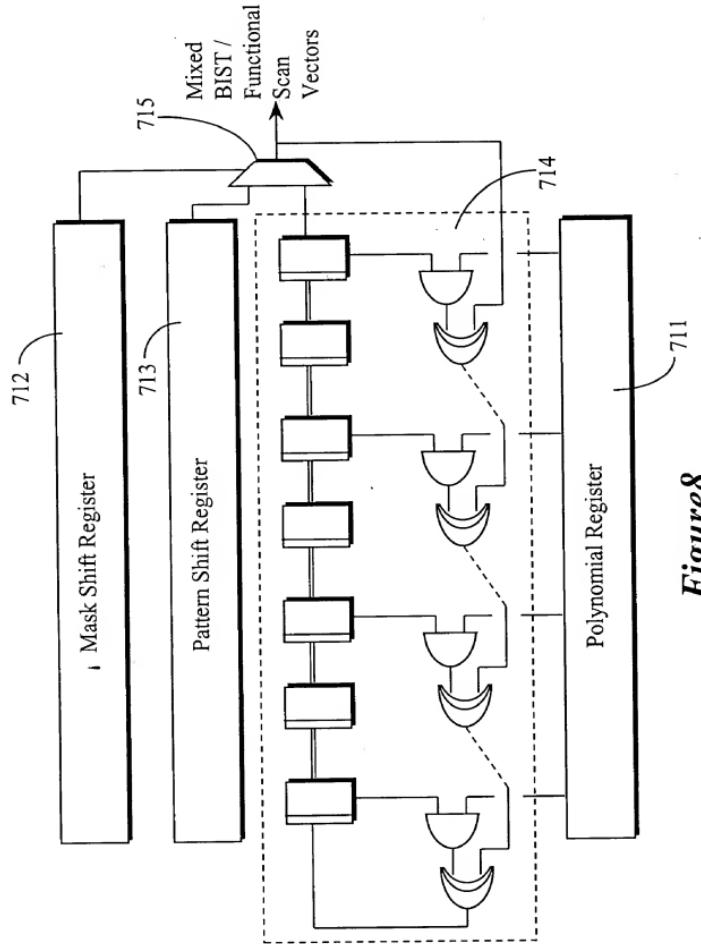
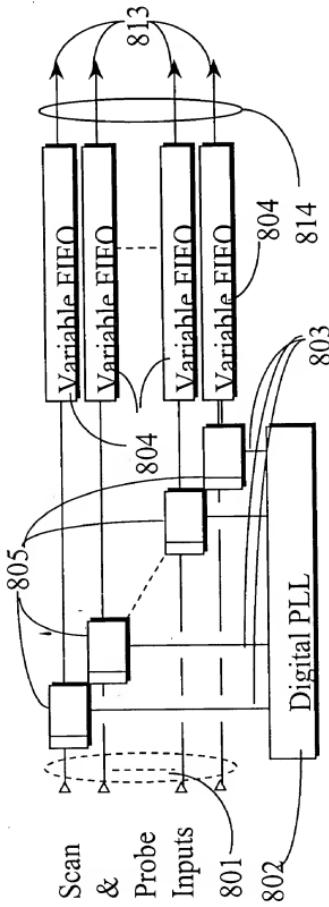


Figure 7

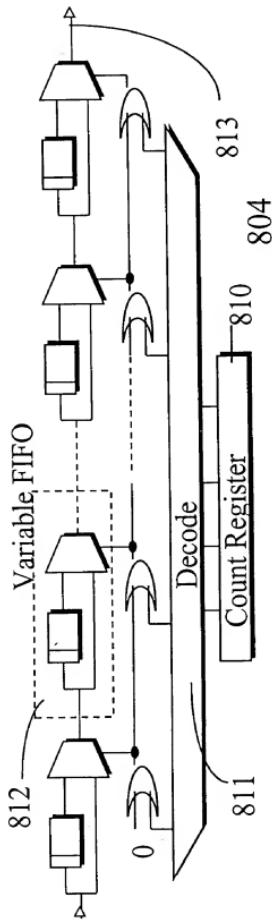
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*Figure 8*

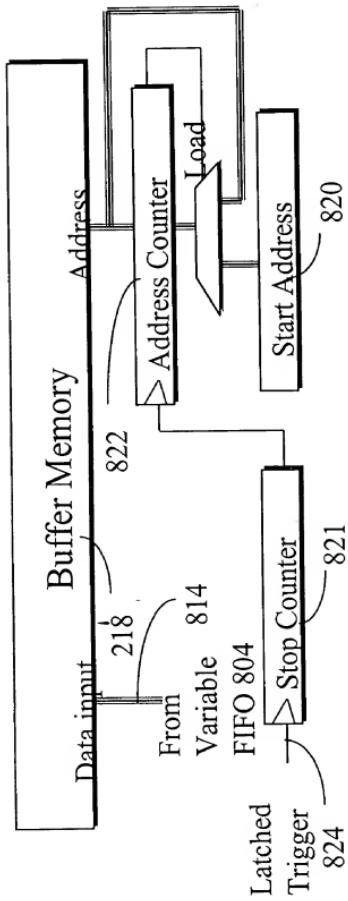


*Figure 9a*

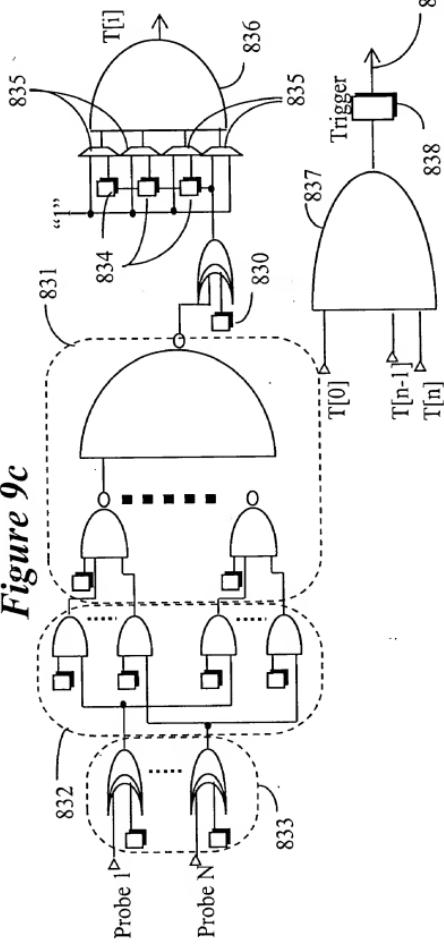


*Figure 9b*

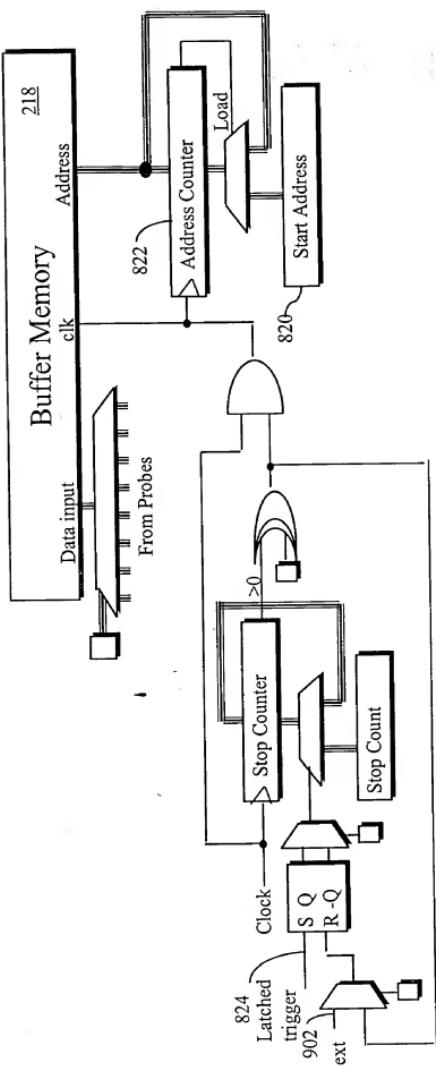
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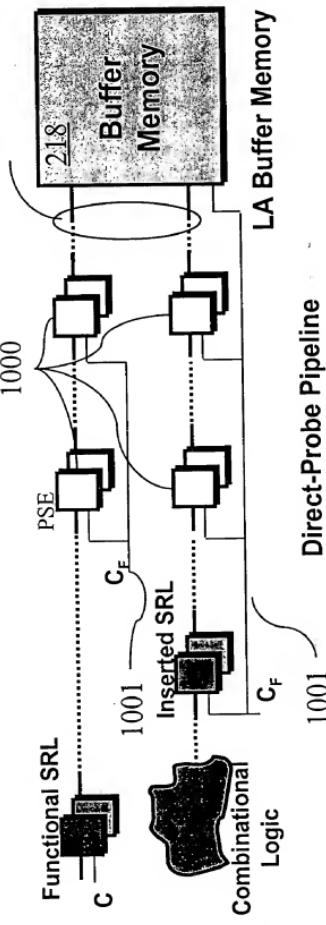
*Figure 9c*



*Figure 9d*

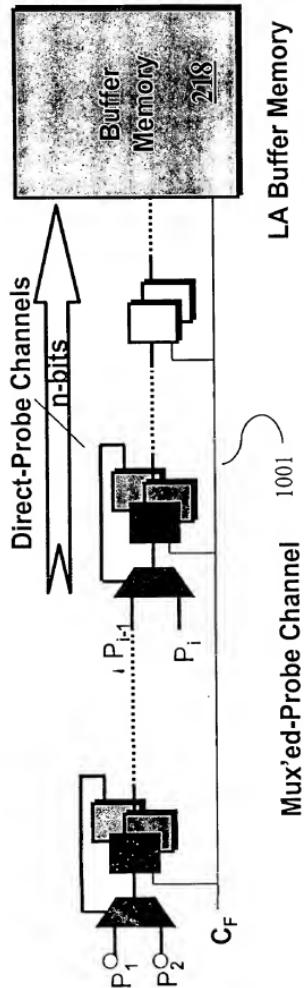


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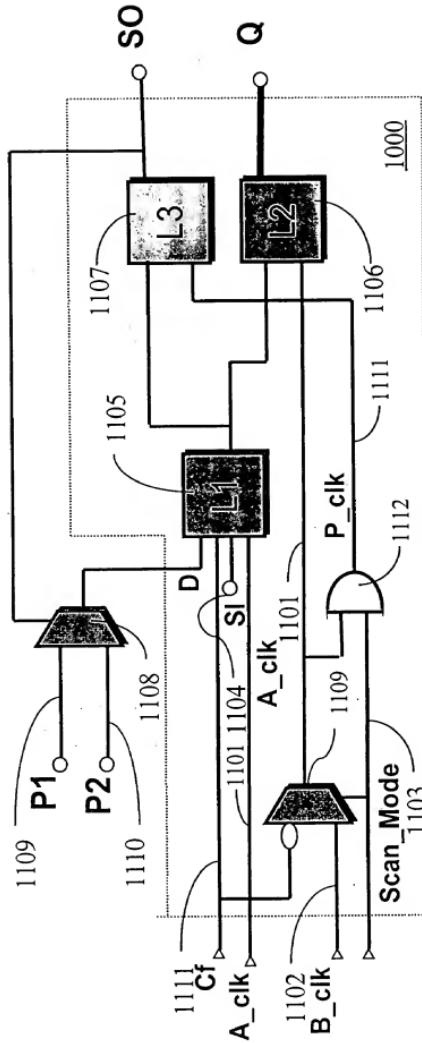


LA Buffer Pipeline

Direct-Probe Pipeline



*Figure 12*



*Figure 13*